PTO/SB/08B (01-08)
Approved for use through 04/30/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known	
Application Number	10/588,124
Filing Date	November 17, 2006
First Named Inventor	Tomohiko Ohta
Art Unit	1643
Examiner Name	A. M. Gussow
Attorney Docket Number	L7350.0010

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
		HASHIZUME, R. et al. The RING heterodimer BRCA1-BARD1 is a ubiquitin ligase inactivated by a breast cancer-derived mutation. J. Biol. Chem. 276:14537-14540 (2001).	
		NISHIKAWA, H. et al. Mass spectrometric and mutational analyses reveal Lys-6-linked polyubiquitin chains catalyzed by BRCA1-BARD1 ubiquitin ligase. J. Biol. Chem. in press [online resource] http://www.jbc.org/cgi/reprint/M308540200 (2003).	
		WU-BAER, F., LAGRAZON, K., YUAN, W., BAER, R. The BRCA1/BARD1 heterodimer assembles polyubiquitin chains through an unconventional linkage involving lysine residue K6 of ubiquitin. J. Biol. Chem. 278: 34743-34746 (2003).	
		BAER, R. & LUDWIG, T. The BRCA1/BARD1 heterodimer, a tumor suppressor complex with ubiquitin E3 ligase activity. Curr. Opin. Genet. Dev. 12: 86-91 (2002).	
		VENKITARAMAN, A. R., Cancer susceptibility and the functions of BRCA1 and BRCA2. Cell 108: 171-182 (2002).	
		DENG, C. X. Roles of BRCA1 in centrosome duplication. Oncogene 21: 6222-6227 (2002).	
		OKUDA, M. et al. Nucleophosim/B23 is a target of CDK2/cyclin E in centrosome duplication. Cell 103: 127-140 (2000).	
		TOKUYAMA, Y. et al. Specific phosphorylation of nucleophosmin on the Thr^{199} by cyclin-dependent kinase 2-cyclin E and its role in centrosome duplication. J. Biol. Chem. 276: 21529-21537 (2001).	
		BRZOVIC, P.S. et al. Binding and recognition in the assembly of an active BRCA1/BARD1 ubiquitin-ligase complex. Proc. Natl. Acad. Sci, U.S.A. 100: 5646-5651 (2003).	
		HONDA, R., TANAKA, H., & YASUDA, H. Oncoprotein MDM2 is a ubiquitin ligase E3 for tumor suppressor p53. FEBS Lett. 420: 25-27 (1997).	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B (01-08)
Approved for use through 04/30/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 3

Complete if Known	
Application Number	10/588,124
Filing Date	November 17, 2006
First Named Inventor	Tomohiko Ohta
Art Unit	1643
Examiner Name	A. M. Gussow
Attorney Docket Number	L7350.0010

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
		HERSHKO, A., & CIECHANOVER, A. The ubiquitin system. Annu. Rev. Biochem. 67: 425-479 (1998).	
		PICKART, C. M. Ubiquitin enters the new millennium. Mol. Cell 8: 499-504 (2001).	
		XU, X. et al. Centrosome amplification and a defective G2-M cell cycle checkpoint induce genetic instability in BRCA1 exon 11 isoform-deficient cells. Mol. Cell 3: 389-395 (1999).	
		WEAVER, Z. et al. Mammary tumors in mice conditionally mutant for Brca1 exhibit gross genomic instability and centrosome amplification yet display a recurring distribution of genomic imbalances that is similar to human breast cancer. Oncogene 21: 5097-5107 (2002).	
		HSU, L. C. & WHITE, R. L. BRCA1 is associated with the centrosome during mitosis. Proc. Natl. Acad. Sci. U.S.A. 95: 12983-12988 (1998).	
		HSU, L. C., DOAN, T. P. & WHITE, R. L. Identification of a gamma-tubulin-binding domain in BRCA1. Cancer Res. 61: 7713-7718 (2001).	
		ZATSEPINA, O. V. et al. The nucleolar phosphoprotein B23 redistributes in part to the spindle poles during mitosis. J. Cell. Sci. 112: 455-466 (1999).	
		WU, M. H. & YUNG, B. Y. M. UV stimulation of nucleophosmin/B23 expression is an immediate-early gene response induced by damaged DNA. J. Biol. Chem. 277: 48234-48240 (2002).	
		TAWFIC, S., OLSON, M. O., & AHMED, K. Role of protein phosphorylation in post-translational regulation of protein B23 during programmed cell death in the prostate gland. J. Biol. Chem. 270: 21009-21015 (1995).	
		PANG, Q. et al. Nucleophosmin interacts with and inhibits the catalytic function of eukaryotic initiation factor 2 kinase PKR. J. Biol. Chem. 278: 41709-41717 (2003).	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B (01-08)
Approved for use through 01/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 3 of 3

Complete if Known	
Application Number	10/588,124
Filing Date	November 17, 2006
First Named Inventor	Tomohiko Ohta
Art Unit	1643
Examiner Name	A. M. Gussow
Attorney Docket Number	L7350.0010

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
		OKUWAKI, M., IWAMATSU, A., TSUJIMOTO, M., & NAGATA, K. Identification of nucleophosmin/B23, an acidic nucleolar protein, as a stimulatory factor for in vitro replication of adenovirus DNA complexed with viral basic core proteins. J. Mol. Biol. 311: 41-55 (2001).	
		OKUWAKI, M., MATSUMOTO, K., TSUJIMOTO, M., & NAGATA, K. Function of nucleophosmin/B23, a nucleolar acidic protein, as a histone chaperone. FEBS Lett. 506: 272-276 (2001).	
		KEYOMARSI, K. et al. Cyclin E and survival in patients with breast cancer. N. Engl. J. Med. 347: 1566-1575 (2002).	
		OHTA, T., MICHEL, J. J., SCHOTTELIUS, A. J., & XIONG, Y. ROC1, a homolog of APC11, represents a family of cullin partners with an associated ubiquitin ligase activity. Mol. Cell 3: 535-541 (1999).	
		OHTA, T., MICHEL, J. J., & XIONG, Y. Association with cullin partners protects ROC proteins from proteasome-dependent degradation. Oncogene 18: 6758-6766 (1999).	
		OHTA, T. & XIONG, Y. Phosphorylation and SKP1-independent in vitro ubiquitination of E2F1 by multiple ROC-cullin ligases. Cancer Res. 61: 1347-1353 (2001).	
		MAEDA, I., OHTA, T., KOIZUMI, H., FUKUDA, M. In vitro ubiquitination of cyclin D1 by ROC1-CUL1 and ROC1-CUL3. FEBS Lett. 494: 181-185 (2001).	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.